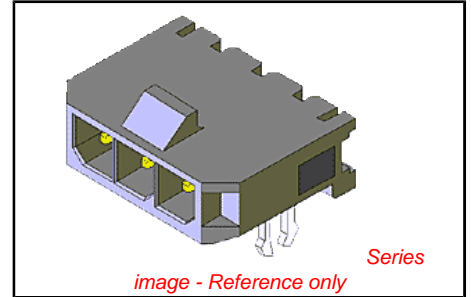


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**Part Number:** [0436500510](#)  
**Status:** **Active**  
**Overview:** [microfit\\_30](#)  
**Description:** 3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Single Row, Right Angle, with PCB Press-fit Metal Retention Clip, 5 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Glow Wire Compatible

**Documents:**

[3D Model](#) [Product Specification PS-43650 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)



**Agency Certification**

CSA LR19980  
TUV R72081037  
UL E29179

**General**

Product Family PCB Headers  
Series 43650  
Application Wire-to-Board  
Comments High Temperature|Square Pin|Solder Type  
Overview [microfit\\_30](#)  
Product Literature Order No USA-106  
Product Name Micro-Fit 3.0™

**Physical**

Breakaway No  
Circuits (Loaded) 5  
Circuits (maximum) 5  
Color - Resin Black  
Durability (mating cycles max) 30  
Flammability 94V-0  
Glow-Wire Compliant Yes  
Mated Height (in) 0.275 In  
Mated Height (mm) 6.98 mm  
Material - Metal Brass  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Number of Rows 1  
Orientation Right Angle  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 mm  
Packaging Type Embossed Tape on Reel  
Pitch - Mating Interface (in) 0.118 In  
Pitch - Mating Interface (mm) 3.00 mm  
Plating min: Mating (µin) 15  
Plating min: Mating (µm) 0.38  
Plating min: Termination (µin) 100  
Plating min: Termination (µm) 2.50  
Polarized to PCB Yes  
Shrouded Fully  
Stackable No  
Temperature Range - Operating -40°C to +105°C

<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>  <b>Contains SVHC: No</b>  <b>Halogen-Free</b>  <b>Status</b>  <b>Not Reviewed</b></p>	<p><b>China RoHS</b></p>
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**Need more information on product environmental compliance?**  
Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[43650Series](#)

**Mates With**  
[43645 Micro-Fit 3.0™ Receptacle Housing](#)

Termination Interface: Style

Surface Mount

**Electrical**

Current - Maximum per Contact

5A

Voltage - Maximum

250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)

30

Lead-free Process Capability

Reflow Capable (SMT only)

Max. Cycles at Max. Process Temperature

3

Process Temperature max. C

260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-70873-07\*\*

Product Specification

PS-43650

Sales Drawing

SD-43650-004

Test Summary

TS-43045-002

This document was generated on 05/24/2010

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